

20. The saw blade claimed in Claim 18, wherein there are six sets of minimizers, gullets, and PCD tips spaced circumferentially equidistantly around the rim.

21. A process for making a saw blade tip, comprising:
cutting an array of tips from a PCD blank;
5 the PCD blank having a PCD layer pre-joined to a carbide layer;
each tip having two diverging radially-relieved side surfaces; and wherein
the array is formed by a plurality of adjacent tips oriented such that one of said
relieved side surfaces of one tip is adjacent the opposite relieved side surface of
another tip.

10 22. The process claimed in Claim 12, wherein the base of one tip is adjacent the
top of another tip.

23. A process for making a saw blade, comprising:
cutting all of the relief surfaces into a PCD blank to form a saw blade tip; and
mounting a plurality of said cut tips on rim shoulders adjacent a corresponding
15 plurality of gullets formed in the rim of a circular saw blade, the tips being mounted at
a negative rake angle.

24. A circular saw blade formed by the process claimed in Claim 23, and further
comprising:
a dished area formed in said shoulder to underlie a corner of said tip.

20 25. A circular saw blade formed by the process claim in Claim 23, further
comprising a chip and dust minimizer formed at a plurality of sites in said rim of said
saw blade.

26. The circular saw blade claimed in Claim 25, further comprising a plurality of
gullets formed in the rim of said circular saw blade, each chip minimizer being
25 formed in front of each said gullet in the direction of rotation of the saw blade.